

Tones:

	Rising	Flat	Falling
High	N/A	ˉ (~55)	ˊ (~51)
Mid	ˊ (~35)	ˋ (~33)	ˋˋ (~31)
Low	ˋˋ (~15)	ˋˋˋ (~22)	ˋˋˋˋ (~21)

Standard Mandarin

Tones

Description	High	Rising	Low (dipping)	Falling	Neutral
Tone	55	35	214	51	-
Tick	-	'	=	`	None

Consonants: (with -aa to fill vowel position)

b	p	m	f	d	t	n	l
ㄅ	ㄆ	ㄇ	ㄈ	ㄊ	ㄘ	ㄋ	ㄌ
g	k	h	(y)	j	q	x	(w)
ㄐ	ㄑ	ㄒ	ㄓ	ㄔ	ㄕ	ㄖ	ㄖ
zh	ch	sh	r	z	c	s	er
ㄗ	ㄘ	ㄙ	ㄖ	ㄗ	ㄘ	ㄙ	ㄦ

Vowels: (with s- to fill consonant position; PY=pinyin)

	ø	e	a	ei	ai	ou	ao	en	an	ong	eng	ang
PY	-i	-e	-a	-ei	-ai	-ou	-ao	-en	-an	-ong	-eng	-ang
Ø	ㄟ	ㄟ	ㄟ	ㄟ	ㄟ	ㄟ	ㄟ	ㄟ	ㄟ	ㄟ	ㄟ	ㄟ
PY	-i	-ie	-ia			-iu	-iau	-in	-ian	-iong	-ing	-iang
/j/	ㄟ	ㄟ	ㄟ			ㄟ	ㄟ	ㄟ	ㄟ	ㄟ	Sje	ㄟ
PY	-u	-uo^	-ua	-ui	-uai			-un	-uan			-uang
/w/	ㄟ	ㄟ	ㄟ	ㄟ	ㄟ			ㄟ	ㄟ			ㄟ
PY	-u*	-ue*						-un*	-uan			
	-ü	-üe						-ün	-üan			
/q/	ㄟ	ㄟ						ㄟ	ㄟ			

^ uo is written as o after b, p, m, f, or w

* ü is written as u after y, j, q, or x

Taiwanese Hakka (四縣+海陸)

Tones

Description		陰平	陽平	上	陰去	陽去	陰入	陽入
四縣	Tone	24	11	31	55		2	5
	Tick	ˊ	ˊ	ˊ	ˊ		ˊ	ˊ
海陸	Tone	53	55	24	11	33	5	2
	Tick	ˊ	ˊ	ˊ	ˊ	ˊ	ˊ	ˊ

Consonants: (with -aa to fill vowel position)

b	p	m	f	v	d	t	n	l
ㄅ	ㄆ	ㄇ	ㄈ	ㄇ	ㄉ	ㄊ	ㄋ	ㄌ
g	k	ng	h	z	c	s	j	q
ㄍ	ㄎ	ㄎ	ㄏ	ㄗ	ㄘ	ㄙ	ㄗ	ㄗ
x					m	ng	n	rh
ㄗ					ㄗ、ㄗ	ㄗ、ㄗ	ㄗ、ㄗ	ㄗ

Vowels: (with s- to fill consonant position)

ii	i	e	a	o	u	ie	eu	ieu	ia	ua	ai	uai
ㄟ	ㄟ	ㄟ	ㄟ	ㄟ	ㄟ	ㄟ	ㄟ	ㄟ	ㄟ	ㄟ	ㄟ	ㄟ
au	iau	io	oi	ioi	iu	ui	iui	ue	iim	im	em	iem
ㄠ	ㄠ	ㄠ	ㄠ	ㄠ	ㄠ	ㄠ	ㄠ	ㄠ	ㄠ	ㄠ	ㄠ	ㄠ
am	iam	iin	in	en	ien ≈ ian		uen	an	uan	on	ion	un
ㄢ	ㄢ	ㄢ	ㄢ	ㄢ	ㄢ		ㄢ	ㄢ	ㄢ	ㄢ	ㄢ	ㄢ
iun	ang	iang	uang	ong	iong	ung	iung	iib	ib	eb	ieb	iab
ㄣ	ㄣ	ㄣ	ㄣ	ㄣ	ㄣ	ㄣ	ㄣ	ㄣ	ㄣ	ㄣ	ㄣ	ㄣ
iid	id	ed	ied	ued	ad	iad	uad	od	iod	ud	iud	ag
ㄤ	ㄤ	ㄤ	ㄤ	ㄤ	ㄤ	ㄤ	ㄤ	ㄤ	ㄤ	ㄤ	ㄤ	ㄤ
iag	uag	og	iog	ug	iug							
ㄥ	ㄥ	ㄥ	ㄥ	ㄥ	ㄥ							

Taiwanese Hokkien

Tones

Description		陰平	陰上	陰去	陽平	陽上、陽去	陰入	陽入	輕聲
台北	Tone	55	51	31~21	14~24	33	32	4	-
	Tick	-	'	" ~ =	´	`	"	-	None
台南	Tone	44	53	11	25	22	21	5	-
	Tick	-	'	=	´	ˊ	=	-	None

Consonants: (with -aa to fill vowel position)

p	b	ph	m	t	th	n	ng	l	k	g
𐌲	bba	𐌲𐌳	𐌲𐌵	𐌲𐌴	𐌲𐌶	𐌲𐌸	𐌲𐌺	𐌲𐌾	𐌲𐌿	gga
kh	h	tsi	ji	tshi	si	ts	j	tsh	s	
𐌴	𐌴𐌵	𐌴𐌸	dzjaa	𐌴𐌹	𐌴𐌺	𐌴𐌻	dzaa	𐌴𐌽	𐌴𐌾	
m		mh	ng		ngh					
𐌶、𐌷		𐌶𐌹	𐌶𐌺、𐌶𐌻		𐌶𐌾					

Vowels: (with s- to fill consonant position)

驹込

a	ann	am	an	ang	ap	at	ak	ah	annh	
𐌆	𐌆𐌃	𐌆𐌄	𐌆𐌅	𐌆𐌇	𐌆𐌈	𐌆𐌉	𐌆𐌊	𐌆𐌋	𐌆𐌌	
ai	ainn	aih	ainnh	au	auh	e	enn	eh	ennh	
𐌇	𐌇𐌃	𐌇𐌋	𐌇𐌃𐌋	𐌇𐌌	𐌇𐌋	𐌇𐌍	𐌇𐌎	𐌇𐌏	𐌇𐌐	
i	inn	im	in	ing	ip	it	ik	ih	innh	
𐌈	𐌈𐌃	𐌈𐌄	𐌈𐌅	𐌈𐌆	𐌈𐌇	𐌈𐌈	𐌈𐌉	𐌈𐌊	𐌈𐌋	
ia	iann	iam	ian	iang	iap	iat	iak	iah	iannh	
𐌉𐌆	𐌉𐌆𐌃	𐌉𐌆𐌄	𐌉𐌆𐌅	𐌉𐌆𐌇	𐌉𐌆𐌈	𐌉𐌆𐌉	𐌉𐌆𐌊	𐌉𐌆𐌋	𐌉𐌆𐌌	
iau	iaunn	iauh	io	ioh	iong	iok	iu	iunn	iuh	iunnh
𐌉𐌋	𐌉𐌋𐌃	𐌉𐌋𐌋	sj 𐌋	sj 𐌋𐌋	𐌉𐌌	𐌉𐌍	𐌉𐌎	𐌉𐌏	𐌉𐌐	𐌉𐌑𐌋
o	oh	oo	onn	om	ong	op	ok	ooh	onnh	
𐌊	𐌊𐌋	𐌊𐌌	𐌊𐌍	𐌊𐌎	𐌊𐌏	𐌊𐌐	𐌊𐌑	𐌊𐌒	𐌊𐌓	
u	un	ut	uh	ua	uann	uan	uat	uah	uai	uainn
𐌊𐌆	𐌊𐌆	𐌊𐌆𐌌	𐌊𐌆𐌋	𐌊𐌆𐌌	𐌊𐌆𐌍	𐌊𐌆𐌎	𐌊𐌆𐌏	𐌊𐌆𐌐	𐌊𐌆𐌑	𐌊𐌆𐌒

ue	ueh	ui								
紙	紙込	会								